

FORM PTC-449  
(Modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. ASTRX-007B

SERIAL NO. 10/067,473

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

APPLICANT BRAD FREEMAN, ET AL.

(Use several sheets if necessary)

FILING DATE February 4, 2002

**GROUP**

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

[illegible]

**EXAMINER**

Fadi H. Dahbour

DATE CONSIDERED

4/2/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Atty: Kit M. Stetina  
STETINA BRUNDA GARRED & BRUCKER  
75 Enterprise, Suite 250  
Aliso Viejo, CA 92656  
(949) 855-1246

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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. ASTRX-007B

SERIAL NO. 10/067,473

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT BRAD FREEMAN, et al.

(Use several sheets if necessary)

FILING DATE February 4, 2002

GROUP 3764

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	D 2 6 9 3 7 9	06/1983	Bledsoe *			
	D 2 8 4 7 0 2	07/1986	Castillo *			
	D 2 9 8 5 6 8	11/1988	Womack *			
	D 3 1 8 7 3 6	07/1991	Castillo *			
	D 3 4 6 0 2 8	04/1994	Lengyel *			
	D 3 5 7 0 7 0	04/1995	Castillo *			
	1 3 9 0 9 1 5	09/1921	Loth *			
	2 5 3 1 4 8 6	11/1947	Weber *			
	2 8 8 3 9 8 2	04/1959	Rainey *			
	3 0 3 0 6 3 4	04/1962	Bair *			
	3 0 9 9 4 4 8	07/1963	Salvo et al. *			
	3 3 8 7 3 0 5	06/1968	Shafer *			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
FHD	2 9 7 7 6 6 A	04/1989	European Pat. Off. *				
	1 4 9 1 5 6 9	07/1969	Germany *				X
	2 4 3 2 7 6 6	03/1975	Germany *				X
	8 4 0 4 2 4 0	11/1984	WIPO *				

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)


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PATENTS\I\ABUT02A.961

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INFORMATION DISCLOSURE  
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APPLICANT Brad Freeman, et al.

(Use several sheets if necessary)

FILING DATE February 4, 2002

GROUP

(37 DFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS
	3 6 6 9 1 0 5	06/1972	Castiglia *		
	3 7 7 9 6 5 4	12/1973	Horne *		
	3 7 8 5 3 7 2	01/1974	Craig *		
	3 8 1 7 2 4 4	06/1974	Taylor *		
	3 9 0 0 8 9 8	08/1975	Kerman *		
	3 9 0 2 4 8 2	09/1975	Taylor *		
	3 9 2 8 8 7 2	12/1975	Johnson *		
	3 9 5 8 5 6 9	05/1976	Vosburgh *		
	4 1 3 6 4 0 4	01/1979	Lange *		
	4 1 6 9 4 6 7	10/1979	Rabischong et al. *		
	4 2 4 1 7 3 0	12/1980	Helfet *		
	4 2 7 1 8 3 1	06/1981	Deibert *		

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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FHD	4	3	6	1	1	4	2		11/30/82	Lewis et al. *			
	4	3	7	2	2	9	8		02/08/83	Lerman *			
	4	3	8	1	7	6	8		05/03/83	Ericksen, et al. *			
	4	4	0	7	2	7	6		10/04/83	Bledsoe *			
	4	4	2	8	3	6	9		01/31/84	Peckham et al. *			
	4	4	8	7	2	0	0		12/11/84	Fearny et al. *			
	4	4	8	9	7	1	8		12/15/84	Martin *			
	4	4	9	3	3	1	6		01/15/85	Reed, et al. *			
	4	4	9	4	5	3	4		01/22/85	Hutson *			
	4	5	0	3	8	4	6		03/12/85	Martin *			
	4	5	2	3	5	8	5		06/18/85	Lamb et al. *			
	4	5	5	4	9	1	3		11/26/85	Womack et al. *			

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PATENTS/VABUT02A.981

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SERIAL NO. 10/067,473

INFORMATION DISCLOSURE  
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APPLICANT BRAD FREEMAN, ET AL.

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FILING DATE February 4, 2002

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(37 DFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FHD	4 5 5 9 9 9 8	07/15/88	Castillo *			
	4 6 0 3 6 9 0	08/05/86	Skeen *			
	4 6 1 4 1 8 1	09/30/86	Karlsson *			
	4 6 2 0 5 3 2	11/04/86	Houswerth *			
	4 6 2 1 6 2 4	11/11/86	Rayboy *			
	4 6 2 8 9 1 6	12/16/86	Lerman et al. *			
	4 6 6 5 9 0 5	05/19/87	Brown *			
	4 6 8 1 0 9 7	07/21/87	Pansier *			
	4 6 9 7 5 8 3	10/06/87	Mason et al. *			
	4 6 9 9 1 2 9	10/13/87	Aaserude et al. *			
	4 7 1 5 3 6 3	12/29/87	Delty *			
	4 7 2 3 5 3 9	02/09/88	Townsend *			

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APR 16 2002

APPLICANT BRAD FREEMAN, ET AL.

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FILING DATE February 4, 2002

GROUP

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FHD	4 7 5 3 2 4 0	12/20/88	Sparks *			
	4 7 9 1 9 1 6	12/20/88	Paez *			
	4 8 0 3 9 7 5	02/14/89	Meyers *			
	4 8 5 4 3 0 8	08/08/89	Drillio *			
	4 8 5 6 5 0 1	08/15/89	Castillo et al. *			
	4 8 8 6 0 5 4	12/12/89	Castillo et al. *			
	4 9 3 8 2 0 7	07/03/90	Vargo *			
	4 9 4 0 0 4 4	07/10/90	Castillo *			
	4 9 6 4 4 0 2	Grim et al.	10/23/90 *			
	4 9 8 6 2 6 4	01/22/91	Miller *			
	5 0 6 3 9 1 6	11/12/91	France et al. *			
	5 1 2 1 7 4 2	06/16/92	Engen *			

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FILING DATE February 4, 2002

U.S. PATENT DOCUMENTS

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